

NIMS, HOWES, COLLISON, HANSEN & LACKERT PATENT. TRADEMARK AND COPYRIGHT MATTERS

605 Third Avenue New York, NY 10058

Phone: (212) 661-9700 Fax: (212) 661-9213

PRESS MAIL No.: EJ371193109US

Deposited: August 4, 1999

I hereby certify that this correspondence is being deposited with the United States Postal Service Express mail under 37 CFR 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents,

Washington, DC 20231

Geatrice Calin

/ Beatrice Cahn

Assistant Commissioner for Patents Washington, DC 20231

Date: **August 4, 1999** Docket No: 11598/9-1276

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under CFR 1.53(b))

Docket No.:	11598/9-1276
Inventor(s):	Tiang Fong HAN
Title:	STUD AND RIDER FOR USE ON MATRIX TRAYS

APPLICATION ELEMENTS (See MPEP chapter 600 concerning utility pate	nt application contents)
--	--------------------------

[X]	1.	Fee 7	ransm	ittal Fo	orm (attachment)	
[X]	2.	Spec	ificatio	n, Clair	ms, Abstract [Total pages	10]
[]	3.	Form	al Drav	wing(s)) (35 USC 113)	[Total sheets]
[X]		Inforr	mal Dra	awing(s	s) (35 USC 113)	[Total sheets 11]
[X] []	4.			claratio I Decla		[Total pages 1] [Total pages]
		[X] []	a. b.	Copy	ly executed (original or copy) y from a prior application (3 continuation/divisional with bo	
			[]	i.		OR(S) ed deleting inventor(s) named ee 37 CFR 1.63(d)(2) & 1.33(b).

Incorporation by Reference (useable if Box 4b is checked)

[]

you may man

5.

of prior application No.

Prior application information: Examiner	Group:
---	--------

[X] 18. CORRESPONDENCE ADDRESS

Please direct all communications to <u>William J. Sapone, Esq.</u> at the offices of Nims, Howes, Collison, Hansen & Lackert 605 Third Avenue, New York, NY 10058 (212) 661-9700.

Respectfully requested.

Nims, Howes, Collison, Hansen & Lackert

August 4, 1999 605 Third Avenue New York, NY 10058 Tel. (212) 661-9700 (Appl99)

William J. Sapone - Reg. No. 32,518

Attorney for Applicant(s)

Fee Transmittal Form

Docket No.:	11598/9-1276
Inventor(s):	Tiang Fong HAN
Title:	STUD AND RIDER FOR USE ON MATRIX TRAYS

THE FILING FEE HAS BEEN CALCULATED AS SHOWN BELOW:

	Claims filed		Extra	\$	MALL 380.00		ARGE 760. 00		AMOUI 80. 00	ΝT
Total Claims	12	Minus 20	0	x \$	09.00	x \$	18.00	\$		
Independent	1	Minus 03	0	x \$	39.00	x \$	78.00	\$.00
	Multip	le depende	ent claim fee	+\$	130. 00	+\$	260. 00	\$.00
() No	n-English	specifica	ition 37 C.F	R. '	1.17(k) f	ee (+	\$130.00)	\$.00
Assign	ment Pape	ers (cover	sheet (PTO	-159	8) and do	ocum	ents	\$.00	
					FEE E	NCL	OSED:	\$3	80.00	

[X] A check in the amount of \$380.00 is enclosed.

The Commissioner is hereby authorized to charge any additional fees required with this submission or to credit any overpayment to Deposit Account No. 14-1115.

- a. 🛛 Fees required under 37 C.F.R. 1.16.

Respectfully submitted,

Nims, Howes, Collison, Hansen & Lackert

August 4, 1999 605 Third Avenue New York, NY 10058 Tel. (212) 661-9700 WJS/bc (appl99)

William J. Sapone - Reg. No. 32,518

The state of the state state and the state state of the s

INDIVIDUAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant or Patentee: Tiang Fong HAN

Docket No.: 11589/9-1276

Serial or Patent No: To be Assigned

Filed:

Herewith -

For:

STUD AND RIDER FOR USE ON MATRIX TRAYS

[] SMALL BUSINESS CONCERN

VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS (37 C.F.R. 1.9(f) and 1.27(b)) - INDEPENDENT INVENTOR

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 C.F.R. 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled _STUD AND RIDER FOR USE ON MATRIX TRAYS described in: the specification filed herewith [X] Provisional application serial no. ______ filed_____ [] patent no. ______, issued _____ I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 C.F.R. 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 C.F R. 1.9(d) or a nonprofit organization under 37 C.F.R. 1.9(e). Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below: no such person, concern or organization persons, concerns or organizations listed below* [] *NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities (37 C.F.R. § 1.27). NAME: ADDRESS: [] SMALL BUSINESS CONCERN I NONPROFIT ORGANIZATION I INDIVIDUAL NAME: ADDRESS:

[] NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. § 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Tiang Fong HAN		
NAME OF INVENTOR		
<		
* Burray		
SIGNATURE OF INVENTOR		

July 21, 1999

DATE

EXPRESS MAIL CERTIFICATE

Date August 4, 1999 Label No. El 371193109US

I hereby certify that, on the date indicated above I deposited this paper or fee with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

Beatrice Cahn
Name (Print)

Beatrice Galin Signature

File No. 11598/9-1276

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Tiang Fong HAN

Serial No.:

To be Assigned

Group Art Unit:

Filed

Herewith - August 4, 1999

Examiner:

For

STUD AND RIDER FOR USE ON MATRIX TRAYS

Assistant Commissioner for Patents Washington, DC 20231

PRELIMINARY AMENDMENT

Sir:

Prior to the examination of the above-referenced application, please amend the above-identified application as follows:

IN THE CLAIMS

In claim 3, line 1, delete "any one of the preceding claims or", insert -claim 1-.

In claim 4, line 1, delete "any one of the preceding claims or", insert -claim 1-.

In claim 6, line 1, delete "any one claims 4 or 5", insert -claim 4-.

In claim 7, line 1, delete "any one claims 4 to 6", insert -claim 4-.

In claim 8, line 1, delete "any one claims 4 to 6", insert -claim 4-.

In claim 9, line 1, delete "any one of the preceding claims", insert --claim 1-.

In line 2, after "recess", insert --for-; before "the", delete "for".

In claim 10, line 1, delete "any one of the preceding claims", insert -claim 1-.

Claim 11. (Amended) The carrier of [any one of the preceding claims being] <u>claim</u>

1 wherein the carrier is a semiconductor chip matrix tray.

In claim 12, line 1, delete "any one of the preceding claims" insert –claim 1–. Cancel claim 13.

Remarks

Entry of this agreement is respectfully requested to eliminate multiple claim dependencies to reduce the filing fee and to clarify the claim language.

Respectfully submitted,

William J. Sapone

Registration No. 32,518 Attorney for Applicant(s)

NIMS, HOWES, COLLISON, HANSEN & LACKERT

605 Third Avenue New York, NY 10158-9213 Phone: (212) 661-9700

Fax: (212) 661-9213 WJS/bc

WJS/bc (#appl99)

STUD AND RIDER FOR USE ON MATRIX TRAYS

Technical Field

This invention relates to carriers for objects and more particularly to the easy identification and/or orientation of such carriers during manufacturing processes.

5 The invention has particular relevance to the semiconductor industry.

Background Art

In the semiconductor industry semiconductor chips such as microprocessors and the like are packaged on carriers called matrix trays. The matrix trays carry a number of semiconductor chips which are passed along a production line for assembly of completed circuit boards. The matrix trays are typically injection moulded plastics having a height of about 1cm.

The trays carry technical information relevant to the tray, the chips carried or the process, such as temperature rating, part number, date code, etc. This technical information is usually embossed on the edge of the tray, which is typically about 1cm high. As the trays flow through the production line the following inconveniences occur:

- 1. Difficulty in reading the embossed descriptions on tray surfaces, especially when they are stacked high. The printed information is not large enough due to the limited space on the edge of the tray. Also, the printed characters and numbers are the same colour as the tray's surfaces so there is little contrast to aid in reading them.
- 2. Difficulty in identifying trays that house good chips as against those used to store rejected ones. When bad chips are identified and segregated by the machines during the assembly process, they are separated but housed onto the





same type of trays. The same type of trays are needed as they are specifically designed to house a particular size and family type of chips.

- 3. Difficulty in identifying different types of chips within a family that use the same body dimension of the tray. As different machines are required for handling a particular type of chip within a family, the use of the common tray makes it difficult to identify the correct chips for each machine.
- 4. Difficulty in identifying the correct tray orientation during the machine . loading. The tray must be loaded manually with a specific orientation. Although present trays come with a tiny corner chamfer on one of its corners, it is not conspicuous enough to ensure correct loading onto the machine.

It has been proposed to use coloured stickers to help differentiate certain trays from others. However, the stickers need to be removed before delivery to customers and this sometimes leaves adhesive material on the tray.

Disclosure of the Invention

In an attempt to overcome at least some of the disadvantages of existing matrix trays, in one broad form the invention provides a carrier for supporting one or more articles, the carrier including:

a main body having at least one engagement means; and

at least one indicator means for engagement with the engagement means, the or each at least one indicator means including means to provide information visually or tactually to an observer regarding the carrier or the articles supported thereon or both.

In a preferred form, the invention is a semi conductor matrix tray having at least one removable indicator means. The indicator means may be positioned prominently along one side of the tray and be assigned different colours, shapes or numbers to indicate technical information. Preferably the colours used for the





indicator means contrast with the colour of the tray adjacent the indicator means.

Preferably the indicator means slides into a receptacle on one side of the tray.

Preferably the receptacle and the indicator means are shaped so that only one
orientation of the indicator means relative to the receptacle is allowed. The indicator means may have a receptacle which receives a protrusion on the tray.

Preferably the indicator means includes a first part which engages in or on the edge of the tray and a second part mounted on the first part. The first part may then be made of one of a series of different colours whilst the second part may also be made of one of a series of different colours and/or shape.

One or both of the first and second parts may be of a contrasting colour to the tray or the same colour. The second part may partially or totally obscure the first part when the indicator is mounted on the tray.

More than one indicator may be used on the one tray.

The invention will be more easily understood from the following non limiting description of a preferred embodiment and the drawings in which:

Brief Description of the Drawings

Figure 1 is a plan view of a matrix tray made according to the present invention.

Figure 2 is a front side view of the matrix tray of Figure 1.

20 Figure 3 is a rear side view of the matrix tray of Figure 1.

Figure 4 is a plan view of the end area of the tray of Figure 1 indicated by arrow K.

Figure 5 is an end elevation of the area indicated by the arrow K.

Figure 6 is a front elevation view of a rider portion of an indicator for use with the tray of Figure 1.

Figure 7 is a rear elevation view of the rider of Figure 6.

Figure 8 is a cross-sectional view taken along line AA in Figure 6.

5 Figure 9 is an end elevation of the Figure 6 rider.

Figure 10 is a rear elevation view of a stud for use with the rider of Figures 6 to 9.

Figure 11 is an end elevation view of the stud of Figure 10.

Figure 12 is a cross-sectional view of the stud taken along line BB in Figure 10.

10 Best Mode of Carrying out the Invention

Referring to Figures 1 to 5 there is shown a matrix tray 10 configured to carry semiconductor chips in a 5 x 2 array. Each chip is carried in a receptacle 12. The tray 10 carries on its front side 14 temperature rating information 16 and a part number 18. Its rear side 20 also carries a part number 22 and other information 24. This information is moulded into the plastics of the tray in manufacture and so is inherently difficult to read. In the prior art this is all that is available for operators to identify the trays, their content and other information relevant to the manufacturing process.

In the tray of Figures 1 to 5 one end 26 is provided with a slot 28 in its end wall 30 (see Figures 4 and 5). This slot is generally rectangular in shape having vertical sides 32 and horizontal base 34. The sides 32 are angled at about 60° to the end wall 30 so the width of the front of the slot 28 is less than the width at its rear. The base 34 has a semicircular protrusion 36 extending upwards. The protrusion is located off centre of the slot 28.





Referring to Figures 6 to 9 there is shown a rider 40 for insertion into the slot 28 of the tray 10. The rider 40 is generally rectangular and has the same overall width, depth and height as the slot 28. The ends 42 of the rider are also angled at 60° so that the rider may be slid into the slot 28. It will be appreciated that the angling of the ends of the slot 28 and rider 40 mean that the rider is trapped in the slot 28 and cannot fall out of the front of the recess. The bottom of the ends is chamfered at 46 to aid insertion of the rider into slot 28. The base of the rear face is also preferably chamfered at 49 to aid insertion.

The bottom edge 44 of the rider has a semicircular recess 48 which corresponds to the protrusion 36 in the slot 28. The protrusion 36 and recess 48 prevent the rider being fully inserted into the slot 28 upside down.

Protruding from the front face 50 of the rider are three identical circular protrusions 52a, b and c. These protrusions 52 are preferably equally spaced from each other with the middle protrusion 52b located at the horizontal centre of the rider. Preferably the protrusions 52 extend horizontally along a line slightly below the vertical centre of the rider. The thickness of the main portion of the rider is equal to that of the slot 28, so the protrusions 52 extend proud of the end wall 30.

Referring to Figures 10 to 12 there is shown a stud 60 for use with the rider 40. The stud 60 is generally rectangular with a planar front surface 62. The rear surface 64 has a rectangular recess 66 therein defined by peripheral walls 68 and side walls 74. Located in the centre of this recess 66 and extending from the base surface 70 toward the rear surface 64 is a circular pin 72. Preferably this pin extends just short of the rear surface 66.

The width between the side peripheral walls 74 and the distance between the pin 72 and the end walls is very slightly less than the diameter of the pins 52 of the rider 40 so that the stud may be mounted on the rider 40 by pressing the stud onto two of the pins 52 in an interference fit. This interference fit is preferably loose enough to enable easy separation and assembly of the two





parts but tight enough to prevent accidental separation. The rider may be placed on the centre pin 52b and left hand pin 52a or the centre pin 52b and right hand pin 52c. Whilst a "two pin" stud has been shown, it will be appreciated that a "three pin" stud which obscures all of the rider 40 may be used.

Because the rider has the same depth as the slot 28, the stud sits proud of the end wall. Further, because the protrusions 52 sit slightly below the centre-line of the rider, the bottom of the stud overlaps the end wall 30. The stud also overlaps the edge of the end wall, due to the angling of the ends of the slot 28. This overlapping of the end wall is neither essential or disadvantageous. If desired, the rider and stud may be made so that the stud overlaps the end wall 30 to a greater extent or not at all.

The tray 10, rider 40 and stud 60 can be manufactured either of low or high temperature material, which is able to withstand baking temperatures from 0 degrees to 200 degrees Celsius. For low temperature materials ABS plastics can be used. For high temperature materials, preferably compounded fiber plastics are used. Preferably the parts are manufactured in different colours to provide immediate visual information to the user. Preferably, the same material is used for all components to avoid problems with different rates of thermal expansion, but this is not essential. As examples, the tray may be manufactured of a blue plastics material with the rider being manufactured in red, yellow and orange colours. The stud may be manufactured in white and blue colours. This gives six different rider/stud colour combinations.

The colour of the rider may be used to indicate a temperature rating whilst the colour of the stud could be used to indicate the status of the chips to be housed.

One colour could mean good chips and another colour could mean reject chips requiring further analysis.

A second rider/stud may be provided to indicate the specific chip in a family of chips which is carried by the tray. Additional recesses and indicators as needed fall within the scope of the invention.

The use of contrasting colours also aids the user in both segregating different "types" of trays from each other but also aids in correct alignment. For example, a yellow rider with a red 2 pin stud may be provided. The user will be educated to align the trays with the rider/stud combination at one end with the exposed 5 part of the yellow rider to the right of the red stud.

It will be appreciated that the rider may be provided with more than three pins. For example, a four pin rider will allow a "two pin" stud to be placed centrally, with a pin exposed on either side or to be located to one side, with two pins exposed on either the left or right. Use of a three pin stud would allow one or two pins to be exposed, to either the left or right side of the stud. Thus the number and position of the exposed pins may be used in sorting and alignment, as well as the colours of the pin and stud.

Whilst the engagement of the rider with the tray in the preferred form of the invention utilises a recess into which the rider slides, the invention is not limited to this specific format. For example, the same pin/recess interference fit type engagement may be utilised to attach the rider to the tray.

It will be appreciated that many modifications may be made to the embodiment described herein to those skilled in the art without departing from the spirit or scope of the invention.

The Claims

A carrier for supporting one or more articles, the carrier including:
 a main body having at least one engagement means; and

at least one indicator means for engagement with the engagement means, the or each at least one indicator means including means to provide information visually or tactually to an observer regarding the carrier or the articles supported thereon or both.

- 2. The carrier of claim 1 wherein said visual or tactile information is provided by different colour or colours of the indicator means or by different shaped portions of the indicator means or both.
 - 3. The carrier of any one of the preceding claims or wherein at least part of the or each indicator means is a different colour to the main body adjacent the indicator means.
 - 4. The carrier of any one of the preceding claims wherein the or each one indicator means includes a first part adapted to engage the main body and a second part attached to the first part.
 - 5. The carrier of claim 4 wherein the second part is releasably attached to the first part.
- 20 6. The carrier of any one of claims 4 or 5 wherein the second part is attachable to the first part in at least two positions or at least two orientations or both.
- 7. The carrier of any one of claims 4 to 6 wherein the first part or the second part or both include portions whose shape provides visual information to the user.

(

- 8. The carrier of any one of claims 4 to 6 wherein one of the first and second part has at least one protrusion and the other has at least one recess for receiving the at least one protrusion.
- 9. The carrier of any one of the preceding claims wherein the engagement means or each indicator means includes a recess receiving for the other.
 - 10. The carrier of any one of the preceding claims wherein the engagement means and indicator means are configured such that the indicator means only correctly engages in the respective engagement means in one orientation.
 - 11. The carrier of any one of the preceding claims being a semiconductor chip matrix tray.
- 12. The carrier of any one of the preceding claims wherein one or both of the body and the at least one indicator means is made of a material capable of withstanding a baking temperature range of 0 to 200 degrees Celsius.
 - 13. A carrier, substantially as herein described with reference to the drawings.

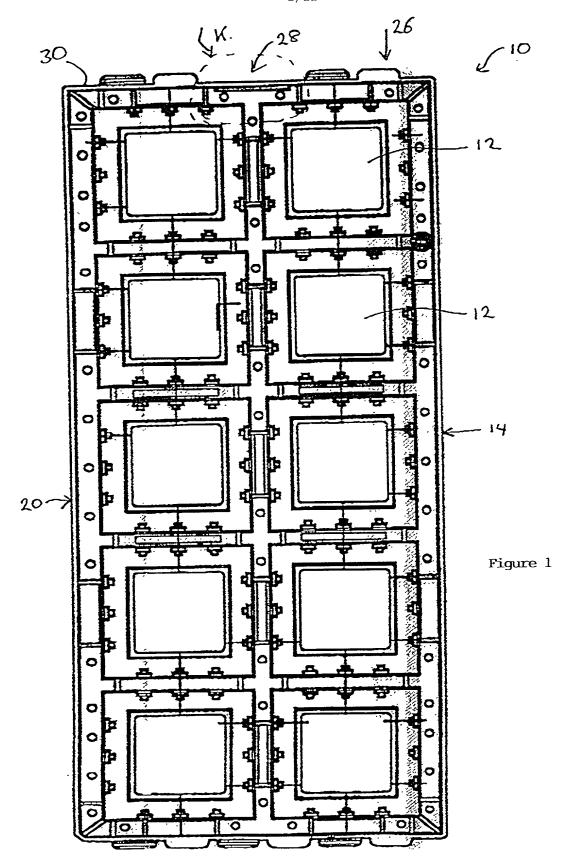
ABSTRACT

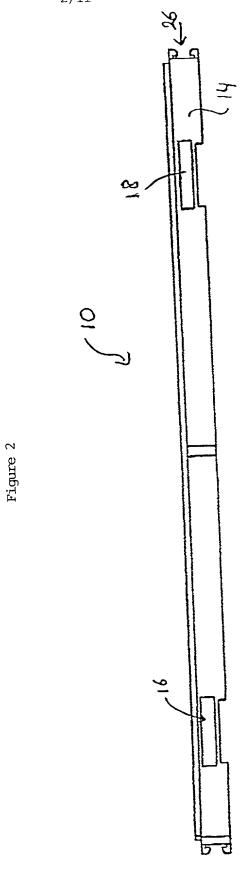
STUD AND RIDER FOR USE ON MATRIX TRAYS

A carrier for articles has a main body (10) with one or more engagement means (28) for receiving one or more indicators (40, 60). The indicators (40, 60) have one or more contrasting colours compared to the colour of the main body (10). The colour or shape or both of the indicator provides the user with information regarding the articles, carrier or characteristics of the articles or carrier.

(Fig. 1)









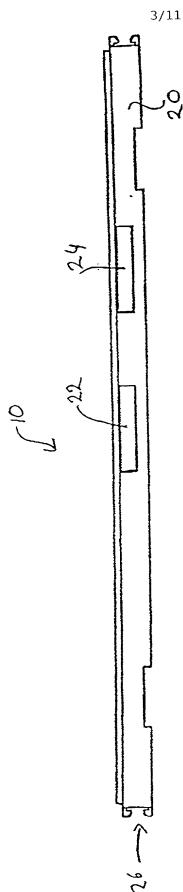


Figure 3

Figure 4

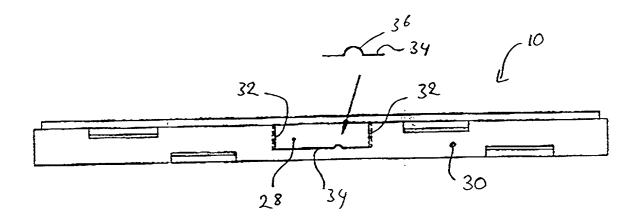


Figure 5

....

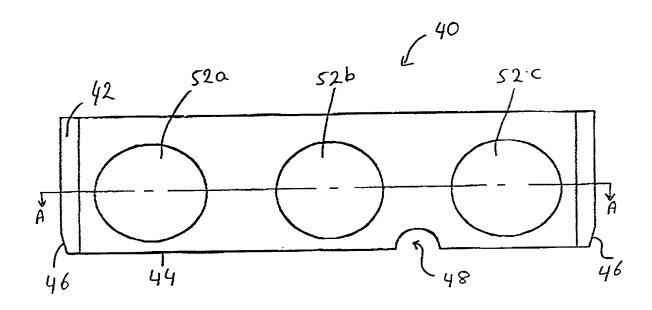


Figure 6



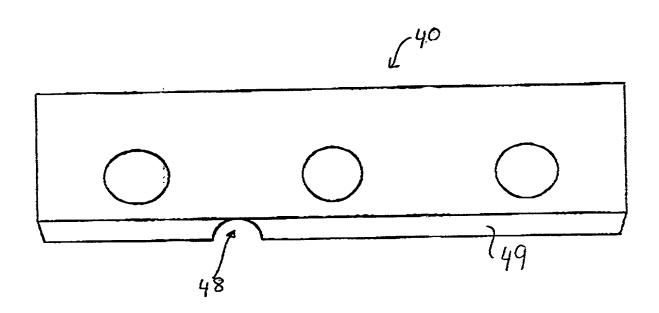


Figure 7

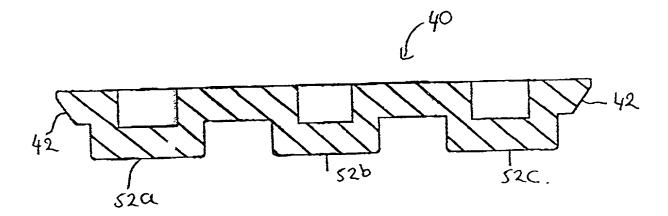


Figure 8

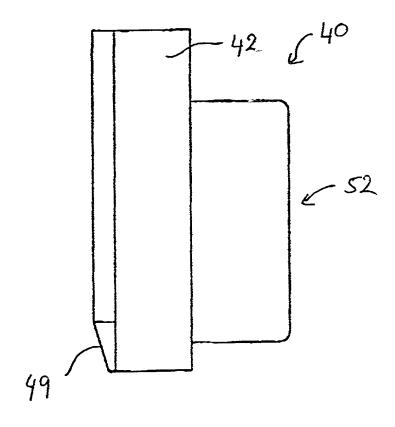


Figure 9

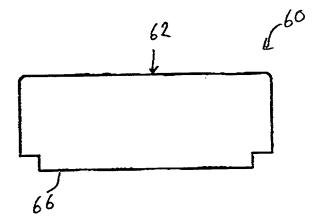


Figure 11

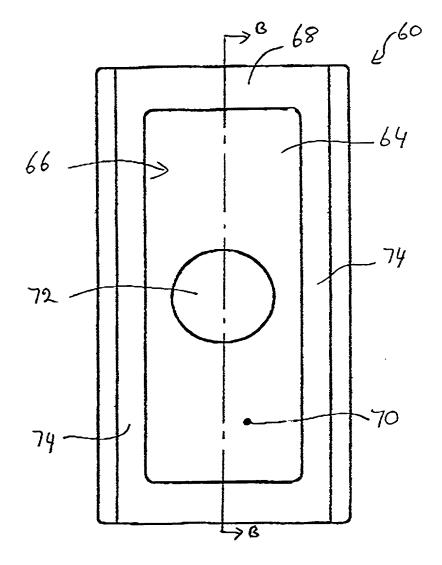


Figure 10

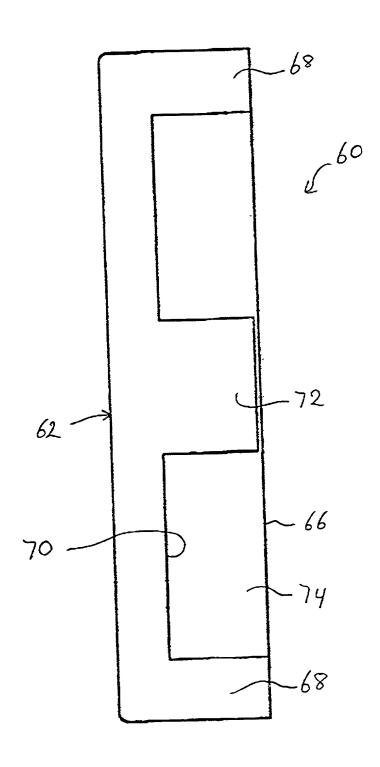


Figure 11

3/5

DECLARATION FOR PATENT APPLICATION

	• •		low) or an or		•			,
matter which is claimed and for	or which a patent is soug	tht on the invention	entitled. STL	ID AND	RIDER FO	R USE ON MA	TRIX TRAYS	
(check one)								
[x] is attached hereto.								
was filed on	as Applica	ation Serial No						
and was amended on _	(i	if applicable)						
I hereby state that I have review to above.	ed and understand the co	ontents of the above	dentified sp	ecificatio	on, meludi	ng the claims, as	s smended by an	y amendment re
I acknowledge the duty to disc §1.56(a).	lose information which is	is material to the exa	amination of	ihis ap pli	cation in a	coordance with	Title 37, Code o	f Federal Regula
I hereby claim foreign priority have also identified below any	benefits under Title 35. foreign application for pa	Linited States Code	e, §119 of any rtificate havu	foreign : ig a filing	application g date befo	n(s) for patent or the that of the ap	inventor's certif plication on whi	icate listed beloch priority is cit
Prior Foreign Application:					Claimed:			
0002700	SINGAPORE	7 June 1999		Yes.X.	No			
9902708-8 (Number)	Country		Month/Year)					
				Yes	No			
(Number)	Country	(Day/	Month/Year)					
•								
				Yes	No _			
(Number) I hereby claim the benefit unde claims of this application is not I acknowledge the duty to discl	disclosed in the prior Unlose material information	Code, § 120 of any United States applicant that defined in Title	on in the man 37, Code of F	ipplicatio	on(s) listed ded by the	nist paregraph	01 1116 33, 12010	ed Smies Cons.
the sealer along the bagatit unde	r Tule 35, United States C disclosed in the prior Un lose maternal information	Code, § 120 of any United States applicant that defined in Title	Inited States a on in the man 37. Code of P pplication	applicationer provided Reference Ref	on(s) listed ded by the egulation,	§1.56(a) which	01 1116 33, 12010	ed Smies Cone.
I hereby claim the benefit unde claims of this appheation is not I acknowledge the duty to discl	r Title 35, United States C disclosed in the prior Un lose maternal information mat or PCT international	Code, § 120 of any United States applicant that defined in Title	Inited States a on in the man 37. Code of P pplication	applicationer provided Reference Ref	on(s) listed ded by the egulation,	nist paregraph	01 1116 33, 12010	ed Smies Cone.
I hereby claim the benefit unde claims of this application is not I acknowledge the duty to disciprior application and the nation (Application Serial No.	r Title 35, United States C disclosed in the prior Un lose material information mat or PCT international (Filia)	Code, § 120 of any United States application is a defined in Title. I filing date of this a ling Date)	United States and in the man 37. Code of Papalection (State (State)	application ner provided and rederal Re- us -patentus -patentus -patentus	on(s) listed ded by the egulation, ted, pendir	fist paragraph (\$1.56(a) which did not be seen to be se	occurred betwee	n the filing date
I hereby claim the benefit unde claims of this application is not I acknowledge the duty to disciprior application and the nation (Application Serial No.	r Title 35, United States C. disclosed in the prior Un lose material information mal or PCT international (Filip) (Fil	Code, § 120 of any United States applicants as defined in Title in filing date of this a ing Date) Ing Date) Ing Date) Int(s) to prosecute this autorney: Williamsen & Lackert Esq. at Teleme, Esq., COLLISON, LACKERT AVENUE	Inited States as on in the man 37, Code of F pplication (States application arm J. Sapor	application of provided and to true, Registrate Avenue	on(s) listed ded by the egulation, ted, pendir lied, pendir ansact all listration is c, New Y	fil.56(a) which one, abandoned) g, abandoned) pusiness in the P	vatent and Trader d Robert L. Po	n the filing date mark Office con owley, Regist
I hereby claim the benefit unde claims of this application is not I acknowledge the duty to disciprior application and the nation (Application Serial No. (Application Serial No. I hereby appoint the following therewith: The undersigned No. 42,087 all of Nims, F. Address all telephone calls to	r Title 35, United States C. disclosed in the prior Un lose material information mal or PCT international (Filimation) (Fi	Code, § 120 of any United States applicant i as defined in Title i filing date of this a ling Date) Int(s) to prosecute thi its attorney: Williamsen & Lackert Esq. at Tele inc, Esq., COLLISON, LACKERT AVENUE 10158, U.S.A.	(Star sapplication of Star sap	application ner provided and to trainer, Reginary Avenue. 12) 661-1	on(s) listed ded by the ded by the egulation, ted, pendin ted, pendin ansact all listration in the company of t	e on information	ratent and Trader d Robert L. Pork 10158, U.S	mark Office con owley, Registra.A.
I hereby claim the benefit unde claims of this application is not I acknowledge the duty to disciprior application and the nation (Application Serial No. (Application Serial No. I hereby appoint the following therewith: The undersigned No. 42,087 all of Nims, It Address all telephone calls to Address all correspondence to the telephone calls to Address all t	r Title 35, United States C. disclosed in the prior Un lose material information mal or PCT international (Filimation) (Fi	Code, § 120 of any United States applicant i as defined in Title i filing date of this a ling Date) Int(s) to prosecute thi its attorney: Williamsen & Lackert Esq. at Tele inc, Esq., COLLISON, LACKERT AVENUE 10158, U.S.A.	(Star sapplication of Star sap	application ner provided and to trainer, Reginary Avenue. 12) 661-1	on(s) listed ded by the ded by the egulation, ted, pendin ted, pendin ansact all listration in the company of t	e on information	ratent and Trader d Robert L. Pork 10158, U.S	mark Office con owley, Registra.A.